

CLAIMS

Sub A 1. A telecommunications messaging system, comprising:
2 a wireless subscriber unit;
a base station in communication with said wireless subscriber unit; and
4 a mobile switching center for causing said base station to engage in
service negotiation with said wireless subscriber unit, said service negotiation
6 for determining a service configuration for communication between said base
station and said wireless subscriber unit.

2 2. The system of claim 1 wherein said mobile switching center
comprises:
an MSC message processor for analyzing received messages and for
4 determining messages to be generated and transmitted in association with said
service negotiation;
6 an MSC message generator for generating messages under direction
from said message processor, including a first message for causing said base
8 station to engage in said service negotiation with said wireless subscriber unit;
and
10 an MSC transceiver for transmitting and receiving messages associated
with said service negotiation including transmitting said first message to said
12 base station.

2 3. The system of claim 2 wherein said base station comprises:
a BS message processor for analyzing received messages and for
determining messages to be generated and transmitted in association with said
4 service negotiation;
a BS message generator for generating messages under direction from
6 said message processor; and
a BS transceiver for transmitting and receiving messages associated with
8 said service negotiation.

2 4. The system of claim 3 wherein said wireless subscriber unit
comprises:
a SU message processor for analyzing received messages and for
4 determining messages to be generated and transmitted in association with said
service negotiation;

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6 a SU message generator for generating messages under direction from
said message processor; and

8 a SU transceiver for transmitting and receiving messages associated with
said service negotiation.

5. The system of claim 4 wherein said first message is a Change
2 Service Command message.

6. The system of claim 4 wherein said MSC message generator
2 generates said first message in response to said mobile switching center
determining that a new call is arriving for said wireless subscriber unit when
4 said wireless subscriber unit is already in an existing call.

7. The system of claim 6 wherein said first message proposes a new
2 service configuration which accommodates both said existing call and said new
call.

8. The system of claim 1 wherein said wireless subscriber unit, said
2 base station, and said mobile switching center communicate using code division
multiple access (CDMA) modulation techniques.

9. The system of claim 4, further comprising a target base station in
2 communication with said subscriber unit.

10. In a wireless communication system, a method for establishing a
2 new call when an existing call is in progress, comprising the steps of:

delivering a first message from a mobile switching center to a base
4 station for initiating service negotiation;

negotiating a new service configuration by said base station and a
6 subscriber unit, said new service configuration providing for connection of both
said new call and said existing call; and

8 connecting said new call and said existing call using said new service
configuration.

11. The method of claim 10 wherein said step of delivering delivers a
2 Change Service Command message as said first message.

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12. The method of claim 11 wherein said Change Service Command
2 message contains a proposed service configuration which would provide for
the connection of both said new call and said existing call.

13. The method of claim 12 wherein said step of negotiating said new
2 service configuration negotiates said new service configuration based on said
proposed service configuration.

14. The method of claim 10 wherein said wireless system is a code
2 division multiple access (CDMA) system.

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